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# MONTANA OIL AND GAS
# STATISTICAL BULLETIN

**BOARD OF OIL AND GAS CONSERVATION**

1520 EAST SIXTH AVENUE
HELENA, MONTANA 59620-2301

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VOL. XXXVIII, No. 2 SECOND QUARTER 1990

## QUARTERLY ACTIVITY SUMMARY

### April through June 1990

| | APRIL | MAY | JUNE |
|---|---|---|---|
| Oil Produced (2nd quarter 1990) | 1,630,924 | 1,685,134 | 1,592,323 |
| Oil Produced (same months, 1989) | 1,770,330 | 1,830,707 | 1,764,759 |
| Oil Shipped from Leases | 1,622,050 | 1,691,446 | 1,597,885 |
| Average Daily Oil Production. | 54,364 | 54,359 | 53,077 |
| Water Produced (Barrels) | 10,424,544 | 10,703,576 | 10,257,114 |
| Associated Gas Produced (2nd quarter 1990) | 751,417 | 755,531 | 727,811 |
| Associated Gas Produced (same months, 1989) | 854,189 | 778,282 | 775,141 |
| Natural Gas Produced (2nd quarter 1990) | 3,479,085 | 2,928,144 | 2,806,371 |
| Natural Gas Produced (same months, 1989) | 3,688,679 | 3,128,423 | 1,904,844 |
| Drilling Permits Issued | 42 | 46 | 59 |
| Wells Completed | 8 | 20 | 9 |
| Oil Wells | 4 | 1 | 0 |
| Gas Wells | 0 | 11 | 5 |
| Dry Holes | 4 | 8 | 4 |
| Other | 0 | 0 | 0 |
| Barrels of Oil Refined | 3,595,905 | 4,475,608 | 4,210,439 |
| Oil Refined (daily average) | 119,864 | 144,374 | 140,348 |

# OIL PRODUCERS REPORT — SECOND QUARTER 1990

| FIELD | FORMATION | Number of Wells | Oil Produced (BBLS) | Oil Shipped (BBLS) | Assoc. Gas Produced (MCF) | Water Produced (BBLS) |
|---|---|---|---|---|---|---|
| Anvil | Nisku | 1 | 16,629 | 17,288 | 14,764 | 21,737 |
| Anvil | Ratcliffe | 2 | 4,668 | 5,124 | 3,577 | 11,253 |
| Anvil | Red River | 8 | 36,383 | 37,422 | 34,552 | 58,692 |
| Anvil | Winnipegosis | 1 | 2,998 | 3,040 | 2,074 | 18,022 |
| Arch Apex | Sunburst | 2 | 459 | 999 | 0 | 0 |
| Ash Creek Sand Unit | Shannon | 2 | 1,398 | 1,398 | 0 | 14,420 |
| Bainville | Ratcliffe | 1 | 3,773 | 3,641 | 1,275 | 2,231 |
| Bainville | Red River | 2 | 7,776 | 7,989 | 5,819 | 6,504 |
| Bainville | Red River, Gunton | 1 | 1,948 | 934 | 0 | 6,802 |
| Bainville II | Red River | 3 | 11,318 | 11,318 | 9,837 | 5,512 |
| Bainville, North | Interlake | 1 | 4,326 | 4,437 | 2,779 | 36,430 |
| Bainville, North | Mission Canyon | 1 | 539 | 626 | 1,524 | 789 |
| Bainville, North | Ratcliffe | 1 | 2,258 | 2,166 | 541 | 1,084 |
| Bainville, North | Red River | 3 | 6,372 | 6,363 | 5,628 | 7,900 |
| Bainville, North | Winnipegosis | 2 | 14,667 | 14,835 | 11,151 | 2,763 |
| Bainville, West | Red River | 1 | 1,758 | 1,740 | 1,863 | 1,848 |
| Bannatyne | Madison | 6 | 626 | 626 | 0 | 155 |
| Bannatyne | Swift | 17 | 1,509 | 1,434 | 0 | 59 |
| Beanblossom | Lower Tyler | 2 | 8,269 | 7,974 | 697 | 26,590 |
| Bears Den | Swift | 2 | 93 | 0 | 0 | 0 |
| Bears Den Unit | Swift | 7 | 1,632 | 1,783 | 0 | 0 |
| Bell Creek | Muddy | 6 | 4,064 | 4,876 | 83 | 15,294 |
| Bell Creek ("A" Unit) | Muddy | 35 | 75,647 | 77,901 | 2,050 | 1,666,141 |
| Bell Creek ("B" Unit) | Muddy | 9 | 21,323 | 21,085 | 676 | 470,109 |
| Bell Creek ("C" Unit) | Muddy | 1 | 830 | 792 | 27 | 9,799 |
| Bell Creek ("D" Unit) | Muddy | 12 | 26,812 | 26,617 | 858 | 143,594 |
| Bell Creek ("E" Unit) | Muddy | 8 | 3,304 | 3,445 | 106 | 64,034 |
| Bell Creek ("Ranch Creek" Unit) | Muddy | 1 | 333 | 700 | 10 | 6,783 |
| Benrud, East | Nisku | 2 | 8,362 | 8,503 | 4,269 | 138,468 |
| Benrud, Northeast | Nisku | 1 | 1,817 | 1,771 | 602 | 45,727 |
| Berthelote | Sunburst | 2 | 207 | 207 | 0 | 0 |
| Big Gully | Tyler | 2 | 591 | 593 | 0 | 370 |
| Big Gully, North | Tyler | 1 | 405 | 584 | 0 | 330 |
| Big Muddy Creek | Mission Canyon | 2 | 889 | 1,069 | 893 | 2,510 |
| Big Muddy Creek | Red River | 1 | 3,244 | 3,381 | 1,221 | 12,425 |
| Big Wall | Amsden | 5 | 6,932 | 7,008 | 0 | 588,878 |
| Big Wall | Tyler | 1 | 50 | 0 | 0 | 67 |
| Big Wall (Lower Tyler Sand Unit) | Tyler | 4 | 11,111 | 11,111 | 0 | 531,624 |
| Big Wall (Upper Tyler Sand Unit) | Tyler | 5 | 2,710 | 2,710 | 0 | 209,460 |
| Black Diamond | Madison, Nisku | 1 | 1,308 | 1,328 | 1,812 | 4,009 |
| Black Diamond | Nisku | 1 | 183 | 186 | 357 | 660 |
| Black Diamond | Ratcliffe | 2 | 4,554 | 4,626 | 1,632 | 10,583 |
| Blackfoot | Dakota | 1 | 0 | 0 | 3,137 | 0 |
| Blackfoot Unit | Cut Bank, Madison | 8 | 8,474 | 7,761 | 0 | 52,200 |
| Bloomfield | Dawson Bay | 2 | 3,000 | 3,119 | 2,995 | 7,538 |
| Bloomfield | Interlake | 2 | 3,543 | 3,618 | 2,858 | 9,524 |
| Bloomfield | Red River | 1 | 1,025 | 1,129 | 2,040 | 192 |
| Bloomfield | Red River, Interlake | 1 | 682 | 672 | 752 | 1,427 |
| Blue Mountain | Red River | 1 | 1,083 | 821 | 0 | 1,775 |
| Border | Cut Bank | 2 | 441 | 375 | 0 | 0 |
| Border (Old Border Unit) | Cut Bank | 9 | 1,706 | 1,716 | 0 | 27,725 |
| Bowes (Bowes Sawtooth Unit) | Sawtooth | 54 | 27,605 | 28,055 | 0 | 158,136 |
| Box Canyon | Red River | 1 | 882 | 1,030 | 1,312 | 2,902 |
| Bradley | Madison | 1 | 482 | 388 | 0 | 54 |
| Bradley | Sunburst | 1 | 266 | 206 | 0 | 0 |
| Brady | Burwash | 1 | 259 | 260 | 0 | 0 |
| Brady | Sunburst | 9 | 1,767 | 1,772 | 0 | 0 |
| Breed Creek | Tyler | 9 | 17,292 | 18,264 | 248 | 64 |
| Brorson | Madison | 7 | 11,964 | 11,403 | 4,062 | 11,626 |
| Brorson | Mission Canyon | 3 | 8,746 | 8,459 | 6,536 | 3,396 |
| Brorson | Ratcliffe | 1 | 638 | 929 | 318 | 272 |
| Brorson | Red River | 3 | 11,015 | 11,800 | 11,009 | 11,270 |
| Brorson, South | Bakken | 1 | 5,224 | 5,314 | 2,551 | 389 |

# OIL PRODUCERS REPORT — SECOND QUARTER 1990 (CONTINUED)

| FIELD | FORMATION | Number of Wells | Oil Produced (BBLS) | Oil Shipped (BBLS) | Assoc. Gas Produced (MCF) | Water Produced (BBLS) |
|---|---|---|---|---|---|---|
| Brorson, South | Mission Canyon | 2 | 2,221 | 2,210 | 1,119 | 2,820 |
| Brorson, South | Ratcliffe | 1 | 597 | 514 | 754 | 3 |
| Brorson, South | Red River | 3 | 6,758 | 6,622 | 8,666 | 13,648 |
| Brush Lake | Red River | 5 | 15,875 | 16,362 | 7,621 | 30,863 |
| Burget, East | Madison | 2 | 2,622 | 2,653 | 0 | 5,163 |
| Burget, East | Mission Canyon | 1 | 1,775 | 1,748 | 0 | 1,599 |
| Burns Creek | Red River | 1 | 1,254 | 1,346 | 0 | 4,923 |
| Cabin Creek | Red River | 7 | 16,978 | 17,090 | 14,390 | 138,804 |
| Cabin Creek (Unit #1) | Red River | 2 | 3,340 | 3,340 | 1,040 | 43,862 |
| Cabin Creek (Unit #1) | Silurian-Ordovician | 81 | 287,064 | 287,041 | 122,966 | 1,260,285 |
| Cabin Creek (Unit #2) | Madison | 4 | 8,520 | 8,520 | 2,687 | 751,994 |
| Canal | Madison | 3 | 2,737 | 2,440 | 3,053 | 6,018 |
| Canal | Mission Canyon | 2 | 3,260 | 3,079 | 4,691 | 6,651 |
| Canal | Red River | 1 | 2,128 | 2,151 | 3,786 | 188 |
| Cannon Ball | Red River | 1 | 819 | 921 | 1,079 | 2,294 |
| Carlyle | Red River | 1 | 2,145 | 2,281 | 0 | 9,395 |
| Cat Creek, Mosby Dome | Amsden | 1 | 723 | 800 | 0 | 316 |
| Cat Creek, West Dome | Cat Creek 2 | 2 | 92 | 88 | 0 | 8,363 |
| Cat Creek, West Dome | Ellis | 1 | 180 | 215 | 0 | 14,560 |
| Cat Creek, West Dome | Morrison | 2 | 870 | 910 | 0 | 53,877 |
| Cat Creek (East Dome Unit) | Ellis | 9 | 1,959 | 2,104 | 0 | 10,970 |
| Cat Creek (Mosby Dome Unit) | Ellis | 2 | 613 | 608 | 0 | 6,570 |
| Cat Creek (Unit #1) | Cat Creek 1 & 2 | 18 | 6,269 | 6,237 | 0 | 244,653 |
| Cat Creek (Unit #2) | Cat Creek 1 & 2 | 10 | 1,476 | 1,380 | 0 | 69,112 |
| Cattails | Ratcliffe | 7 | 29,396 | 28,889 | 18,205 | 12,951 |
| Charlie Creek | Red River | 1 | 3,428 | 3,272 | 4,822 | 2,324 |
| Charlie Creek, East | Duperow | 1 | 2,163 | 1,782 | 3,411 | 11,967 |
| Charlie Creek, East | Red River | 2 | 5,823 | 5,891 | 3,710 | 6,765 |
| Chelsea Creek | Nisku | 1 | 1,671 | 1,755 | 0 | 21,118 |
| Clark's Fork | Greybull | 0 | 130 | 0 | 0 | 0 |
| Clear Lake | Madison | 1 | 1,144 | 1,319 | 524 | 8,008 |
| Clear Lake | Mission Canyon | 2 | 4,619 | 4,635 | 2,791 | 16,229 |
| Clear Lake | Nesson | 1 | 602 | 631 | 0 | 5,945 |
| Clear Lake | Nisku | 1 | 1,094 | 1,073 | 1,038 | 3,298 |
| Clear Lake | Ratcliffe | 2 | 7,210 | 7,265 | 3,503 | 27,737 |
| Clear Lake | Red River | 7 | 29,189 | 29,374 | 25,282 | 41,366 |
| Clear Lake, South | Red River | 1 | 3,106 | 3,166 | 1,876 | 4,460 |
| Colored Canyon | Nisku | 1 | 581 | 656 | 352 | 881 |
| Colored Canyon | Red River | 2 | 4,151 | 4,010 | 1,951 | 8,418 |
| Comertown | Bakken | 1 | 339 | 333 | 648 | 1,470 |
| Comertown | Nisku | 1 | 1,982 | 2,071 | 1,394 | 9,209 |
| Comertown | Nisku, Duperow | 1 | 2,976 | 2,744 | 2,551 | 11,480 |
| Comertown | Ratcliffe | 3 | 2,918 | 2,741 | 622 | 27,659 |
| Comertown | Red River | 3 | 21,680 | 21,462 | 7,834 | 12,903 |
| Comertown, South | Nisku | 1 | 34 | 211 | 25 | 753 |
| Comertown, South | Red River | 2 | 8,356 | 7,994 | 3,001 | 17,264 |
| Cottonwood | Red River | 1 | 2,658 | 3,448 | 2,390 | 10,989 |
| Cow Creek, East | Kibbey | 10 | 9,314 | 9,295 | 0 | 187,858 |
| Crane | Devonian | 3 | 13,736 | 13,637 | 30,664 | 12,521 |
| Crane | Red River | 1 | 20,737 | 20,860 | 11,640 | 63,753 |
| Crane | Red River, Interlake | 1 | 13,755 | 13,782 | 7,936 | 67,759 |
| Crooked Creek | Dakota | 3 | 300 | 0 | 0 | 0 |
| Cupton | Red River | 6 | 15,385 | 15,848 | 7,662 | 38,165 |
| Cut Bank | Cut Bank | 97 | 32,449 | 30,088 | 2,567 | 39,297 |
| Cut Bank | Cut Bank, Madison | 2 | 187 | 200 | 0 | 9,697 |
| Cut Bank | Kootenai | 3 | 362 | 361 | 0 | 2,118 |
| Cut Bank | Madison | 42 | 28,766 | 29,114 | 7,480 | 397,088 |
| Cut Bank | Moulton | 26 | 11,006 | 9,486 | 8,209 | 322 |
| Cut Bank | Moulton, Sunburst | 1 | 126 | 206 | 0 | 0 |
| Cut Bank | Sunburst | 3 | 256 | 209 | 0 | 0 |
| Cut Bank (Dahlquist Unit) | Cut Bank | 9 | 12 | 0 | 0 | 0 |
| Cut Bank (Marena West Sand Unit) | Cut Bank | 1 | 21 | 0 | 0 | 0 |
| Cut Bank (North Central Sand Unit) | Cut Bank | 85 | 14,922 | 12,646 | 0 | 2,171 |

# OIL PRODUCERS REPORT — SECOND QUARTER 1990 (CONTINUED)

| FIELD | FORMATION | Number of Wells | Oil Produced (BBLS) | Oil Shipped (BBLS) | Assoc. Gas Produced (MCF) | Water Produced (BBLS) |
|---|---|---|---|---|---|---|
| Cut Bank (Northeast Sandunit - Fair) | Moulton | 1 | 649 | 637 | 0 | 150 |
| Cut Bank (Northeast Sandunit - J & G) | Cut Bank | 28 | 5,273 | 5,378 | 960 | 0 |
| Cut Bank (Northwest Sand Unit) | Cut Bank | 3 | 659 | 667 | 0 | 1,100 |
| Cut Bank (South Central Sand Unit) | Cut Bank | 82 | 60,110 | 60,110 | 0 | 170,618 |
| Cut Bank (South Darling Sand Unit) | Moulton | 1 | 119 | 0 | 0 | 0 |
| Cut Bank (South West Sand Unit) | Cut Bank | 126 | 37,167 | 37,032 | 0 | 569,983 |
| Cut Bank (Tesoro Sand Unit) | Cut Bank | 8 | 1,352 | 1,345 | 47 | 5,720 |
| Cut Bank (Tweedy South Sand Unit) | Cut Bank | 3 | 895 | 794 | 0 | 915 |
| Cut Bank (Two Medicine Sand Unit) | Cut Bank | 21 | 9,696 | 9,851 | 0 | 138,570 |
| Dagmar | Red River | 2 | 2,143 | 2,115 | 1,929 | 1,206 |
| Delphia | Amsden | 2 | 922 | 976 | 0 | 0 |
| Devils Basin | Heath | 3 | 139 | 0 | 0 | 421 |
| Devils Basin | Tyler | 1 | 64 | 0 | 0 | 1,250 |
| Devils Pocket | Heath | 2 | 789 | 602 | 0 | 6,176 |
| Diamond Point | Red River | 2 | 11,169 | 11,391 | 7,089 | 32,131 |
| Divide | Madison | 4 | 5,383 | 5,563 | 2,864 | 57,390 |
| Divide | Ratcliffe | 4 | 16,195 | 16,326 | 4,345 | 31,893 |
| Divide | Red River | 3 | 19,047 | 18,916 | 8,763 | 41,839 |
| Dooley | Ratcliffe | 4 | 11,182 | 11,247 | 5,445 | 64,429 |
| Dry Creek | Frontier | 0 | 54 | 0 | 0 | 0 |
| Dry Creek | Greybull | 1 | 409 | 784 | 24,227 | 0 |
| Dry Creek | Virgelle | 1 | 310 | 600 | 0 | 0 |
| Dry Creek, Middle | Frontier | 0 | 43 | 0 | 0 | 0 |
| Dry Creek, West | Greybull | 0 | 198 | 216 | 0 | 0 |
| Dutch John Coulee | Sunburst | 4 | 2,978 | 2,249 | 23,665 | 0 |
| Dwyer | Duperow | 1 | 26 | 0 | 0 | 0 |
| Dwyer | Nisku | 2 | 2,017 | 2,129 | 2,584 | 6,612 |
| Dwyer | Ratcliffe | 2 | 3,156 | 3,004 | 0 | 29,423 |
| Dwyer | Red River | 3 | 20,240 | 20,387 | 10,630 | 3,685 |
| Dwyer (Dwyer Unit) | Charles | 6 | 11,539 | 11,370 | 2,212 | 21,401 |
| Eagle | Bakken | 1 | 363 | 461 | 148 | 29 |
| Eagle | Duperow | 1 | 2,588 | 2,685 | 3,859 | 6,040 |
| Eagle | Interlake | 1 | 523 | 224 | 654 | 3,102 |
| Eagle | Madison | 9 | 8,447 | 8,543 | 6,427 | 30,614 |
| Eagle | Mission Canyon | 3 | 3,448 | 3,250 | 2,721 | 17,717 |
| Eagle | Ratcliffe | 3 | 2,799 | 2,638 | 5,033 | 13,696 |
| Eagle | Red River | 1 | 2,658 | 3,028 | 3,179 | 11,351 |
| Elk Basin (Embar-Tensleep) | Tensleep | 15 | 90,008 | 90,210 | 84,901 | 1,872 |
| Elk Basin (Frontier Unit) | Frontier | 10 | 4,820 | 4,821 | 0 | 7,046 |
| Elk Basin (Madison Unit) | Madison | 13 | 54,446 | 54,348 | 17,764 | 763,339 |
| Elk Basin, Northwest | Frontier | 2 | 634 | 625 | 1,009 | 13,086 |
| Elk Basin, Northwest | Madison | 5 | 29,914 | 29,710 | 27,743 | 397,734 |
| Elk Basin, Northwest, (Northwest Tensleep Unit) | Tensleep | 1 | 1,674 | 1,665 | 483 | 45,630 |
| Enid, North | Red River | 2 | 7,554 | 7,845 | 5,918 | 11,642 |
| Fairview | Madison | 3 | 5,597 | 5,751 | 3,728 | 7,516 |
| Fairview | Mission Canyon | 3 | 3,392 | 3,402 | 2,530 | 7,931 |
| Fairview | Ratcliffe | 1 | 1,777 | 1,564 | 977 | 3,192 |
| Fairview | Red River | 6 | 13,114 | 12,730 | 27,276 | 16,778 |
| Fairview (North West Unit) | Red River | 5 | 15,616 | 15,357 | 45,620 | 15,602 |
| Fairview, East | Stonewall | 1 | 2,475 | 2,433 | 3,360 | 6,854 |
| Fairview, West | Ratcliffe | 1 | 2,381 | 2,601 | 91 | 273 |
| Fertile Prairie | Red River | 4 | 4,715 | 4,918 | 1,973 | 2,094 |
| Fishhook | Madison | 1 | 1,177 | 1,369 | 0 | 10,078 |
| Fishhook | Red River | 2 | 4,943 | 4,934 | 4,596 | 15,948 |
| Flat Coulee | Swift | 6 | 1,490 | 1,826 | 0 | 1,242 |
| Flat Coulee (Swift Sand Unit) | Swift | 15 | 24,295 | 24,212 | 2,429 | 86,717 |
| Flat Lake | Madison | 1 | 1,204 | 1,116 | 0 | 2,562 |
| Flat Lake | Nisku | 1 | 986 | 1,164 | 320 | 5,755 |
| Flat Lake | Ratcliffe | 6 | 11,808 | 11,632 | 1,956 | 37,085 |
| Flat Lake (East Flat Lake Unit) | Ratcliffe | 22 | 28,279 | 28,248 | 6,691 | 221,896 |
| Flat Lake (West Flat Lake Unit) | Ratcliffe | 5 | 10,359 | 10,343 | 3,724 | 30,414 |
| Flat Lake, East | Madison | 1 | 2,904 | 2,840 | 0 | 8,146 |
| Flat Lake, South | Ratcliffe | 3 | 3,292 | 3,298 | 328 | 19,099 |

# OIL PRODUCERS REPORT — SECOND QUARTER 1990 (CONTINUED)

| FIELD | FORMATION | Number of Wells | Oil Produced (BBLS) | Oil Shipped (BBLS) | Assoc. Gas Produced (MCF) | Water Produced (BBLS) |
|---|---|---|---|---|---|---|
| Fort Gilbert | Madison | 3 | 2,919 | 2,599 | 1,180 | 6,244 |
| Fort Gilbert | Mission Canyon | 6 | 8,016 | 7,251 | 4,920 | 29,491 |
| Fort Gilbert | Red River | 2 | 4,382 | 4,529 | 2,670 | 12,004 |
| Four Mile Creek | Red River | 1 | 2,272 | 2,546 | 1,640 | 2,559 |
| Four Mile Creek, West | Red River | 1 | 2,279 | 2,093 | 1,678 | 190 |
| Frannie Unit | Tensleep | 1 | 637 | 637 | 6 | 61,904 |
| Fred & George Creek | Sunburst | 12 | 4,093 | 3,961 | 153 | 849 |
| Fred & George Creek | Swift | 4 | 1,041 | 1,095 | 0 | 0 |
| Fred & George Creek (Sunburst "A") | Sunburst | 7 | 11,696 | 11,257 | 0 | 598,591 |
| Frog Coulee | Red River | 1 | 2,202 | 2,409 | 1,343 | 1,690 |
| Froid, South | Red River | 1 | 1,363 | 1,338 | 1,089 | 7,339 |
| Gage | Amsden | 2 | 783 | 727 | 0 | 260 |
| Gas City | Red River | 1 | 787 | 929 | 388 | 1,056 |
| Gas City (Gas City Waterflood) | Madison | 2 | 420 | 420 | 24 | 5,430 |
| Gas City (Gas City Waterflood) | Red River | 1 | 1,405 | 1,404 | 265 | 7,256 |
| Gas City (Gas City Waterflood) | Silurian-Ordovician | 8 | 15,240 | 15,239 | 1,402 | 48,464 |
| Girard | Bakken | 1 | 697 | 606 | 0 | 8 |
| Girard | Red River | 1 | 5,310 | 4,860 | 3,409 | 45,871 |
| Glendive | Red River | 5 | 14,743 | 15,285 | 2,853 | 112,010 |
| Glendive | Silurian-Ordovician | 6 | 20,455 | 20,253 | 1,363 | 36,155 |
| Glendive | Stoney Mountain | 2 | 3,531 | 3,829 | 1,435 | 22,860 |
| Golden Dome | Frontier | 1 | 1,145 | 1,711 | 0 | 0 |
| Golden Dome | Greybull | 1 | 209 | 254 | 10,369 | 0 |
| Goose Lake | Ratcliffe | 7 | 9,304 | 9,417 | 1,677 | 149,575 |
| Goose Lake | Red River | 1 | 11,764 | 11,941 | 2,902 | 8,867 |
| Goose Lake (North Goose Lake Unit) | Ratcliffe | 8 | 12,258 | 11,907 | 2,398 | 135,624 |
| Goose Lake, Southeast | Ratcliffe | 1 | 2,034 | 2,163 | 1,577 | 21,363 |
| Goose Lake, West | Red River | 2 | 5,743 | 5,912 | 2,429 | 4,379 |
| Gossett | Ratcliffe | 2 | 1,775 | 1,531 | 83 | 8,693 |
| Gossett | Red River | 1 | 4,677 | 4,568 | 1,578 | 9,274 |
| Graben Coulee | Cut Bank | 67 | 13,715 | 12,780 | 0 | 38,860 |
| Graben Coulee | Sunburst | 15 | 1,443 | 1,453 | 0 | 3,460 |
| Grandview, East | Swift | 4 | 546 | 484 | 0 | 0 |
| Green Coulee | Red River | 1 | 2,380 | 2,643 | 0 | 9,736 |
| Gumbo Ridge Unit | Tyler | 1 | 33 | 0 | 2 | 800 |
| Gunsight | Madison | 1 | 1,754 | 1,720 | 0 | 2,516 |
| Gunsight | Mission Canyon | 1 | 1,053 | 613 | 364 | 2,838 |
| Gunsight | Ratcliffe | 1 | 1,409 | 1,271 | 0 | 5,886 |
| Gypsy Basin | Madison | 11 | 2,716 | 2,546 | 0 | 790 |
| Gypsy Basin | Sawtooth | 1 | 71 | 62 | 0 | 45 |
| Gypsy Basin | Sunburst | 1 | 56 | 80 | 0 | 910 |
| Hardpan | Swift | 1 | 40 | 0 | 0 | 0 |
| Hardscrabble Creek | Red River | 1 | 1,300 | 1,141 | 290 | 7,496 |
| Hawk Creek | Amsden | 1 | 56 | 195 | 0 | 20 |
| Hay Creek | Madison | 1 | 869 | 926 | 30 | 964 |
| Hay Creek | Mission Canyon | 1 | 1,960 | 2,197 | 1,568 | 4,452 |
| Hay Creek | Red River | 1 | 3,946 | 4,305 | 2,448 | 13,854 |
| Hiawatha | Tyler | 2 | 3,882 | 3,782 | 292 | 75,065 |
| Hiawatha | Tyler, Stensvad | 1 | 698 | 788 | 159 | 18 |
| Hibbard | Amsden | 1 | 1,607 | 1,607 | 0 | 38,850 |
| High Five | Tyler | 5 | 7,488 | 7,230 | 312 | 48,018 |
| High Five Unit | Stensvad | 8 | 12,409 | 12,086 | 1,602 | 312,122 |
| Highview | Devonian | 1 | 155 | 180 | 0 | 140 |
| Highview | Madison | 9 | 1,304 | 1,224 | 0 | 985 |
| Honker | Red River | 1 | 334 | 423 | 183 | 10,237 |
| Honker | Winnipegosis | 1 | 436 | 553 | 122 | 14,746 |
| Howard Coulee | Tyler | 1 | 2,670 | 2,587 | 0 | 0 |
| Injun Creek | Stensvad | 2 | 289 | 181 | 0 | 1,066 |
| Intake II | Red River | 2 | 4,076 | 4,259 | 7,586 | 11,159 |
| Ivanhoe | Amsden | 1 | 111 | 115 | 0 | 1,410 |
| Ivanhoe | Cat Creek 2 | 1 | 265 | 387 | 0 | 1,650 |
| Ivanhoe | Morrison | 1 | 535 | 423 | 0 | 2,350 |
| Ivanhoe | Tyler | 5 | 2,088 | 2,562 | 0 | 34,874 |

# OIL PRODUCERS REPORT — SECOND QUARTER 1990 (CONTINUED)

| FIELD | FORMATION | Number of Wells | Oil Produced (BBLS) | Oil Shipped (BBLS) | Assoc. Gas Produced (MCF) | Water Produced (BBLS) |
|---|---|---|---|---|---|---|
| Jim Coulee Unit | Tyler | 12 | 12,845 | 12,787 | 1,033 | 364,445 |
| Jim Coulee, North | Tyler, Stensvad | 2 | 447 | 588 | 37 | 2,970 |
| Katy Lake | Red River | 1 | 3,158 | 3,065 | 2,193 | 689 |
| Katy Lake, North | Madison | 3 | 18,236 | 18,219 | 8,310 | 32,343 |
| Katy Lake, North | Mission Canyon | 2 | 5,705 | 5,966 | 2,814 | 50,568 |
| Katy Lake, North | Nesson | 1 | 1,620 | 1,610 | 364 | 14,712 |
| Katy Lake, North | Red River | 5 | 38,506 | 37,932 | 29,287 | 25,542 |
| Keg Coulee | Stensvad | 1 | 881 | 920 | 0 | 260 |
| Keg Coulee | Tyler | 1 | 1,229 | 1,043 | 0 | 0 |
| Keg Coulee (Northwest Unit) | Tyler | 1 | 2,855 | 2,667 | 0 | 9,388 |
| Keg Coulee (Tyler "A" Sand Unit) | Tyler | 1 | 420 | 0 | 0 | 0 |
| Keg Coulee (Tyler "C" Sand Unit) | Lower Tyler | 1 | 766 | 824 | 0 | 10,565 |
| Keg Coulee (Tyler "C" Sand Unit) | Tyler | 2 | 1,682 | 1,809 | 0 | 19,175 |
| Kelley | Tyler | 1 | 980 | 888 | 0 | 1,975 |
| Kelley Unit | Tyler | 2 | 972 | 1,107 | 0 | 14,657 |
| Kevin Area | Nisku | 0 | 10 | 0 | 0 | 20 |
| Kevin Southwest | Sunburst | 0 | 46 | 65 | 0 | 0 |
| Kevin Sunburst | Bow Island | 0 | 9 | 0 | 0 | 0 |
| Kevin Sunburst | Bow Island, Swift | 0 | 17 | 0 | 0 | 0 |
| Kevin Sunburst | Burwash | 9 | 465 | 606 | 0 | 0 |
| Kevin Sunburst | Cut Bank | 2 | 159 | 168 | 0 | 0 |
| Kevin Sunburst | Ellis | 31 | 1,757 | 1,863 | 0 | 64 |
| Kevin Sunburst | Madison | 758 | 65,886 | 67,013 | 37,101 | 379,758 |
| Kevin Sunburst | Nisku | 2 | 107 | 0 | 0 | 0 |
| Kevin Sunburst | Sunburst | 47 | 10,003 | 9,732 | 3,491 | 10,355 |
| Kevin Sunburst | Swift | 28 | 2,041 | 2,221 | 0 | 80 |
| Kevin Sunburst (Homestake Sandunit) | Sunburst | 29 | 16,506 | 16,407 | 0 | 52,440 |
| Kevin Sunburst (Texaco Sand Unit) | Sunburst | 6 | 1,452 | 1,296 | 0 | 10,588 |
| Kevin, East Nisku Oil | Nisku | 12 | 9,776 | 9,639 | 4,085 | 0 |
| Kincheloe Ranch, West | Tyler | 2 | 1,606 | 1,420 | 446 | 0 |
| Kincheloe Ranch, West (Unit) | Tyler | 2 | 3,766 | 3,508 | 1,047 | 0 |
| Laird Creek (Laird Creek Unit) | Swift | 6 | 955 | 1,164 | 85 | 148 |
| Lambert | Red River | 3 | 7,292 | 7,812 | 10,719 | 33,972 |
| Lamesteer Creek | Red River | 1 | 848 | 700 | 0 | 1,183 |
| Landslide Butte | Madison | 8 | 6,804 | 6,346 | 7,156 | 18,617 |
| Leary | Muddy | 3 | 2,771 | 2,365 | 75 | 37,065 |
| Little Beaver | Red River | 3 | 280 | 838 | 4 | 40 |
| Little Beaver | Silurian-Ordovician | 2 | 76 | 257 | 1 | 51 |
| Little Beaver (Cedar Creek ACU 8BA) | Red River | 1 | 2,312 | 2,311 | 245 | 5,803 |
| Little Beaver (Cedar Creek ACU 8BA) | Silurian-Ordovician | 28 | 83,920 | 83,912 | 6,280 | 328,465 |
| Little Beaver, East (Cedar Crk Ut 8A) | Silurian-Ordovician | 3 | 7,872 | 7,872 | 1,353 | 22,707 |
| Little Beaver, East (Cedar Crk Ut 8BB) | Red River | 1 | 2,810 | 2,809 | 555 | 19,366 |
| Little Beaver, East (Cedar Crk Ut 8BB) | Silurian-Ordovician | 6 | 17,663 | 17,662 | 2,499 | 57,114 |
| Little Phantom | Sunburst | 1 | 305 | 245 | 0 | 0 |
| Little Wall Creek | Stensvad | 1 | 802 | 859 | 0 | 0 |
| Little Wall Creek | Tyler | 3 | 7,342 | 7,310 | 3,177 | 133,278 |
| Little Wall Creek | Tyler, Stensvad | 3 | 3,538 | 3,527 | 362 | 5,007 |
| Little Wall Creek, South | Tyler | 4 | 15,687 | 15,863 | 1,293 | 10,505 |
| Little Wall Creek, South (Gunderson) | Tyler | 2 | 16,155 | 16,189 | 0 | 1,650 |
| Little Wall Creek, South (South Little Wall Creek Unit) | Tyler | 9 | 9,990 | 9,904 | 1,384 | 408,026 |
| Lobo | Interlake | 1 | 2,826 | 2,677 | 2,302 | 48,565 |
| Lodge Grass | Morrison | 1 | 210 | 210 | 0 | 0 |
| Lodge Grass | Tensleep | 1 | 1,407 | 1,474 | 0 | 123 |
| Lone Butte | Mission Canyon | 1 | 1,458 | 1,271 | 0 | 3,059 |
| Lone Butte | Red River | 2 | 4,820 | 4,501 | 3,996 | 3,925 |
| Lonetree Creek | Red River | 8 | 22,614 | 22,523 | 26,083 | 24,838 |
| Long Creek | Charles C | 1 | 679 | 720 | 0 | 582 |
| Long Creek, West | Nisku | 2 | 8,029 | 7,748 | 0 | 39,617 |
| Lookout Butte | Red River | 10 | 13,021 | 12,741 | 900 | 5,929 |
| Lookout Butte | Silurian-Ordovician | 2 | 13,270 | 13,270 | 1,894 | 62,853 |
| Lookout Butte (Shell Waterflood Unit) | Madison | 3 | 7,128 | 7,123 | 1,198 | 7,200 |
| Lookout Butte (Coral Creek Unit) | Red River | 5 | 9,380 | 9,373 | 4,253 | 15,976 |
| Lookout Butte (Coral Creek Unit) | Silurian-Ordovician | 25 | 70,042 | 70,036 | 12,517 | 319,512 |

# OIL PRODUCERS REPORT — SECOND QUARTER 1990 (CONTINUED)

| FIELD | FORMATION | Number of Wells | Oil Produced (BBLS) | Oil Shipped (BBLS) | Assoc. Gas Produced (MCF) | Water Produced (BBLS) |
|---|---|---|---|---|---|---|
| Lookout Butte, East | Lodgepole | 1 | 1,567 | 1,583 | 352 | 886 |
| Lookout Butte, East | Red River | 8 | 19,799 | 19,343 | 7,399 | 12,014 |
| Lowell | Red River | 2 | 2,693 | 2,670 | 712 | 11,021 |
| Lustre | Charles | 14 | 20,371 | 20,491 | 9,193 | 160,485 |
| Lustre | Charles C | 20 | 29,689 | 29,592 | 6,851 | 57,763 |
| Lustre | Mission Canyon | 7 | 9,635 | 9,456 | 1,948 | 97,931 |
| Lustre | Ratcliffe | 7 | 11,031 | 10,818 | 3,875 | 31,898 |
| Lustre, North | Charles | 1 | 2,343 | 2,454 | 0 | 2,233 |
| Mason Lake | Amsden | 1 | 0 | 0 | 0 | 38,551 |
| Mason Lake | Cat Creek 1 | 7 | 2,065 | 1,979 | 0 | 6,503 |
| McCabe | Ratcliffe | 1 | 1,430 | 1,405 | 1,168 | 2,095 |
| McCoy Creek | Red River | 1 | 994 | 985 | 660 | 3,649 |
| Meander | Sunburst | 2 | 200 | 201 | 0 | 0 |
| Medicine Lake | Duperow | 1 | 6,588 | 6,610 | 5,792 | 269 |
| Medicine Lake | Gunton | 1 | 6,220 | 6,241 | 7,178 | 1,749 |
| Medicine Lake | Interlake | 1 | 2,611 | 2,640 | 575 | 60,056 |
| Medicine Lake | Red River | 4 | 14,955 | 14,635 | 21,678 | 24,106 |
| Medicine Lake | Winnipegosis | 2 | 5,361 | 5,413 | 2,028 | 94,954 |
| Melstone | Tyler | 2 | 1,448 | 1,759 | 0 | 0 |
| Melstone (North Melstone Unit) | Tyler | 5 | 12,993 | 13,166 | 4,548 | 109,434 |
| Midfork | Charles C | 2 | 5,559 | 5,587 | 4,201 | 5,799 |
| Mineral Bench | Charles C | 1 | 283 | 473 | 0 | 7,579 |
| Missouri Breaks | Red River | 1 | 1,240 | 1,282 | 1,322 | 2,926 |
| Mon Dak, West | Interlake | 1 | 1,650 | 1,611 | 1,379 | 442 |
| Mon Dak, West | Madison | 22 | 31,743 | 32,140 | 24,802 | 85,414 |
| Mon Dak, West | Madison, Ordovician | 1 | 20,186 | 20,229 | 16,512 | 20,231 |
| Mon Dak, West | Mission Canyon | 2 | 2,181 | 1,792 | 1,032 | 24,091 |
| Mon Dak, West | Ratcliffe | 1 | 956 | 1,008 | 0 | 4,265 |
| Mon Dak, West | Red River | 3 | 8,820 | 8,962 | 10,869 | 15,529 |
| Mon Dak, West | Silurian-Ordovician | 4 | 34,068 | 34,059 | 28,253 | 12,193 |
| Mon Dak, West | Stoney Mountain | 2 | 7,712 | 7,579 | 5,927 | 1,706 |
| Mona | Red River | 1 | 4,517 | 4,698 | 7,495 | 169 |
| Monarch | Interlake | 3 | 3,325 | 3,177 | 0 | 8,538 |
| Monarch | Red River | 2 | 6,726 | 6,626 | 3,188 | 2,874 |
| Monarch | Red River, Interlake | 1 | 1,106 | 971 | 0 | 3,182 |
| Monarch | Silurian-Ordovician | 6 | 13,301 | 12,936 | 1,369 | 28,040 |
| Monarch (Monarch Water Flood Unit) | Silurian-Ordovician | 4 | 10,057 | 10,228 | 327 | 9,597 |
| Mosser Dome | Mosser | 8 | 2,000 | 2,000 | 0 | 0 |
| Musselshell | Tyler | 1 | 507 | 522 | 0 | 0 |
| Mustang | Madison | 1 | 2,509 | 3,026 | 2,711 | 1,274 |
| Mustang | Red River | 2 | 5,975 | 6,431 | 7,895 | 580 |
| Neiser Creek | Red River | 1 | 4,794 | 4,934 | 3,678 | 27,549 |
| Ninemile | Nisku | 2 | 1,313 | 876 | 733 | 0 |
| Nohly | Nisku | 5 | 63,648 | 64,151 | 33,872 | 3,637 |
| Nohly | Ratcliffe | 4 | 14,764 | 15,008 | 4,465 | 8,781 |
| Nohly | Red River | 3 | 13,786 | 13,949 | 19,120 | 7,410 |
| North Fork | Madison | 2 | 1,881 | 1,908 | 31 | 2,921 |
| North Fork | Mission Canyon | 3 | 3,401 | 3,576 | 3,398 | 8,229 |
| Olje | Red River | 1 | 1,826 | 1,795 | 480 | 5,913 |
| Ollie | Red River | 1 | 1,552 | 1,299 | 616 | 4,245 |
| Otis Creek | Red River | 2 | 2,815 | 3,223 | 2,990 | 4,280 |
| Otis Creek, South | Red River | 1 | 2,794 | 2,458 | 2,458 | 7,344 |
| Outlook | Duperow | 1 | 5,999 | 5,988 | 4,065 | 369,994 |
| Outlook | Gunton | 1 | 1,232 | 1,230 | 0 | 14,475 |
| Outlook | Interlake | 1 | 3,652 | 3,653 | 2,977 | 299,865 |
| Outlook | Nisku | 1 | 3,781 | 3,777 | 1,040 | 37,995 |
| Outlook | Winnipegosis | 1 | 1,120 | 1,109 | 252 | 36,975 |
| Outlook, West | Winnipegosis | 2 | 6,922 | 6,371 | 0 | 11,288 |
| Oxbow | Red River | 1 | 5,274 | 5,337 | 4,433 | 1,970 |
| Oxbow II | Red River | 1 | 1,811 | 1,760 | 3,354 | 5,686 |
| Palomino | Nisku | 4 | 28,139 | 28,217 | 0 | 217,428 |
| Pennel | Interlake | 2 | 4,864 | 4,737 | 0 | 21,661 |
| Pennel | Red River | 10 | 28,314 | 28,056 | 1,468 | 31,169 |

# OIL PRODUCERS REPORT — SECOND QUARTER 1990 (CONTINUED)

| FIELD | FORMATION | Number of Wells | Oil Produced (BBLS) | Oil Shipped (BBLS) | Assoc. Gas Produced (MCF) | Water Produced (BBLS) |
|---|---|---|---|---|---|---|
| Pennel | Silurian-Ordovician | 1 | 2,813 | 2,710 | 1,103 | 10,417 |
| Pennel Waterflood Unit | Red River | 17 | 73,585 | 73,823 | 15,740 | 122,870 |
| Pennel Waterflood Unit | Silurian-Ordovician | 140 | 571,866 | 573,853 | 129,302 | 1,178,386 |
| Pennel Waterflood Unit | Stoney Mountain | 1 | 3,244 | 3,255 | 596 | 6,405 |
| Pete Creek | Sunburst | 1 | 186 | 379 | 0 | 18 |
| Pine | Silurian-Ordovician | 1 | 3,208 | 2,698 | 405 | 376 |
| Pine ('A' & 'E' Units) | Red River | 2 | 6,200 | 6,224 | 836 | 13,565 |
| Pine ('A' & 'E' Units) | Silurian-Ordovician | 79 | 283,414 | 284,493 | 70,156 | 1,861,345 |
| Pine ('A' & 'E' Units) | Stoney Mountain | 1 | 2,190 | 2,166 | 1,598 | 70,809 |
| Pine ('C' Unit) | Silurian-Ordovician | 15 | 31,244 | 31,021 | 2,986 | 126,935 |
| Pondera | Madison | 339 | 77,186 | 77,761 | 0 | 1,081,209 |
| Pondera | Sun River | 14 | 3,097 | 3,097 | 0 | 0 |
| Pondera Coulee | Madison | 3 | 564 | 650 | 0 | 0 |
| Pondera Coulee | Sun River | 5 | 1,008 | 1,008 | 0 | 0 |
| Poplar, East | Charles | 3 | 2,021 | 1,916 | 0 | 53,985 |
| Poplar, East | Charles B | 1 | 225 | 248 | 0 | 13,755 |
| Poplar, East | Charles C | 1 | 521 | 490 | 0 | 11,405 |
| Poplar, East | Heath | 1 | 1,446 | 1,516 | 0 | 31,616 |
| Poplar, East (East Poplar Unit) | Madison | 40 | 36,384 | 36,501 | 0 | 1,305,705 |
| Poplar, Northwest | Charles | 19 | 32,414 | 32,558 | 21,244 | 210,436 |
| Poplar, Northwest | Charles B | 1 | 752 | 769 | 0 | 13,828 |
| Poplar, Northwest | Charles C | 9 | 6,124 | 5,652 | 7,454 | 30,106 |
| Poplar, Northwest | Madison | 1 | 569 | 730 | 0 | 11,735 |
| Prairie Dell | Bow Island Sunburst, Swift | 0 | 13 | 0 | 0 | 0 |
| Prairie Dell | Sunburst | 0 | 0 | 19 | 0 | 0 |
| Prairie Dell | Swift | 0 | 10 | 32 | 0 | 0 |
| Prairie Elk | Charles C | 1 | 929 | 1,117 | 0 | 1,600 |
| Prichard Creek | Swift | 1 | 92 | 176 | 0 | 22 |
| Pronghorn | Red River | 2 | 3,538 | 4,025 | 2,847 | 6,797 |
| Putnam | Bakken | 1 | 732 | 684 | 0 | 27 |
| Putnam | Interlake | 4 | 22,424 | 21,219 | 7,868 | 120,222 |
| Putnam | Madison | 1 | 946 | 993 | 331 | 901 |
| Putnam | Mission Canyon | 4 | 5,998 | 6,145 | 2,834 | 5,974 |
| Putnam | Ratcliffe | 1 | 1,534 | 1,329 | 0 | 1,757 |
| Putnam | Red River | 5 | 11,804 | 12,067 | 8,008 | 95,765 |
| Rabbit Hills | Sawtooth | 2 | 550 | 592 | 0 | 0 |
| Rabbit Hills, Northeast | Sawtooth | 5 | 12,743 | 12,758 | 0 | 2,373 |
| Rabbit Hills, Southwest | Sawtooth | 1 | 2,801 | 2,773 | 0 | 12,993 |
| Ragged Point | Tyler | 1 | 471 | 386 | 642 | 0 |
| Ragged Point (Tyler "A" Sand Unit) | Tyler | 3 | 3,272 | 3,285 | 0 | 63,115 |
| Ragged Point, Southwest (Southwest Unit) | Tyler | 8 | 16,384 | 16,429 | 0 | 265,702 |
| Rainbow | Red River | 1 | 2,147 | 2,067 | 3,378 | 8,422 |
| Rattler Butte | Tyler | 3 | 6,450 | 6,294 | 1,974 | 12,902 |
| Rattlesnake Butte | Amsden | 3 | 5,129 | 5,021 | 0 | 142,250 |
| Rattlesnake Butte | Cat Creek 1 | 1 | 2,440 | 2,362 | 704 | 1,402 |
| Rattlesnake Butte | Cat Creek 2 | 1 | 1,397 | 1,405 | 0 | 28,620 |
| Raymond | Duperow | 1 | 2,749 | 2,745 | 52,378 | 0 |
| Raymond | Mississippian | 5 | 2,326 | 2,322 | 3,405 | 100,965 |
| Raymond | Red River | 2 | 7,495 | 7,487 | 3,141 | 31,682 |
| Raymond | Winnipegosis | 2 | 11,662 | 11,819 | 1,414 | 24,423 |
| Raymond (Raymond Nisku Unit) | Nisku | 2 | 7,057 | 7,200 | 40,660 | 10,827 |
| Reagan | Madison | 1 | 325 | 201 | 182 | 520 |
| Reagan (Tribal Unit #194) | Madison | 26 | 19,919 | 19,919 | 36,382 | 67,961 |
| Reagan (Tribal Unit #355) | Madison | 30 | 17,414 | 17,414 | 25,580 | 88,243 |
| Red Bank | Madison | 3 | 5,088 | 5,382 | 758 | 9,371 |
| Red Bank | Mission Canyon | 3 | 7,104 | 7,386 | 2,160 | 3,131 |
| Red Bank | Ratcliffe | 2 | 3,215 | 3,162 | 1,749 | 9,993 |
| Red Bank | Red River | 3 | 5,051 | 4,892 | 203 | 11,795 |
| Red Bank, South | Red River | 1 | 2,771 | 2,728 | 4,060 | 8,756 |
| Red Creek Unit | Cut Bank | 2 | 1,885 | 1,884 | 0 | 69,771 |
| Red Creek Unit | Cut Bank, Madison | 8 | 12,348 | 12,347 | 790 | 471,929 |
| Red Creek Unit | Madison | 4 | 1,758 | 1,757 | 356 | 50,868 |
| Red Fox | Nisku | 1 | 525 | 488 | 87 | 6,331 |

# OIL PRODUCERS REPORT — SECOND QUARTER 1990 (CONTINUED)

| FIELD | FORMATION | Number of Wells | Oil Produced (BBLS) | Oil Shipped (BBLS) | Assoc. Gas Produced (MCF) | Water Produced (BBLS) |
|---|---|---|---|---|---|---|
| Red Water, East | Red River | 1 | 3,220 | 3,108 | 2,380 | 10,236 |
| Refuge | Red River | 1 | 2,841 | 2,775 | 2,282 | 7,290 |
| Reserve | Red River | 2 | 4,382 | 4,260 | 5,188 | 35,660 |
| Reserve II | Interlake | 1 | 956 | 964 | 256 | 104,955 |
| Reserve II | Red River | 1 | 3,366 | 3,396 | 2,408 | 870 |
| Richey | Charles | 4 | 2,382 | 2,369 | 0 | 8,716 |
| Ridgelawn | Madison | 6 | 4,582 | 4,513 | 4,971 | 13,501 |
| Ridgelawn | Mission Canyon | 10 | 13,224 | 13,179 | 16,035 | 27,264 |
| Ridgelawn | Ratcliffe | 3 | 8,021 | 8,272 | 7,085 | 11,038 |
| Ridgelawn | Red River | 3 | 20,370 | 20,666 | 33,390 | 14,251 |
| Ridgelawn (Duperow Unit) | Duperow | 1 | 17 | 0 | 140 | 0 |
| RipRap Coulee | Ratcliffe | 5 | 7,968 | 8,410 | 2,670 | 10,205 |
| River Bend | Red River | 1 | 4,245 | 4,165 | 7,308 | 550 |
| Rocky Point | Red River | 1 | 2,979 | 2,774 | 5,337 | 835 |
| Rosebud | Tyler | 3 | 2,021 | 2,621 | 178 | 0 |
| Royals | Dawson Bay | 1 | 3,538 | 3,854 | 2,650 | 2,903 |
| Runaway | Madison | 0 | 0 | 177 | 0 | 0 |
| Rush Mountain | Winnipegosis | 1 | 3,157 | 3,038 | 1,248 | 51,163 |
| Salt Lake | Nisku | 2 | 2,384 | 2,125 | 0 | 4,521 |
| Salt Lake | Red River | 3 | 9,990 | 10,232 | 328 | 27,072 |
| Saturn | Ratcliffe | 1 | 992 | 1,502 | 910 | 17,124 |
| Second Creek | Mission Canyon | 1 | 666 | 726 | 0 | 2,667 |
| Second Creek | Red River | 3 | 6,119 | 6,379 | 7,782 | 13,342 |
| Shotgun Creek | Ratcliffe | 3 | 6,607 | 6,828 | 2,146 | 24,058 |
| Sidney | Madison | 8 | 6,485 | 6,401 | 3,218 | 20,138 |
| Sidney | Mission Canyon | 2 | 2,089 | 1,848 | 1,216 | 4,706 |
| Sidney | Ratcliffe | 4 | 6,506 | 6,255 | 1,907 | 11,874 |
| Sidney | Red River | 2 | 4,186 | 4,532 | 9,189 | 12,652 |
| Sidney, East | Madison | 7 | 3,895 | 3,983 | 3,175 | 12,950 |
| Sidney, East | Ratcliffe | 1 | 660 | 689 | 0 | 2,208 |
| Singletree | Red River | 1 | 5,060 | 5,007 | 3,784 | 19,321 |
| Sioux Pass | Interlake | 1 | 4,455 | 5,002 | 4,386 | 2,027 |
| Sioux Pass | Red River | 7 | 20,139 | 20,925 | 15,561 | 6,478 |
| Sioux Pass, East | Red River | 1 | 522 | 437 | 0 | 3,734 |
| Sioux Pass, Middle | Red River | 6 | 12,175 | 12,439 | 15,147 | 11,558 |
| Sioux Pass, North | Madison | 3 | 4,647 | 4,818 | 1,995 | 13,159 |
| Sioux Pass, North | Ratcliffe | 1 | 2,068 | 2,107 | 860 | 1,829 |
| Sioux Pass, North | Red River | 9 | 23,621 | 23,080 | 17,984 | 14,122 |
| Sioux Pass, North | Red River, Nisku | 1 | 1,092 | 1,247 | 768 | 392 |
| Sioux Pass, South | Red River | 2 | 4,797 | 4,081 | 6,284 | 6,256 |
| Snyder | Tensleep | 2 | 881 | 609 | 0 | 33,670 |
| Soap Creek | Amsden | 1 | 337 | 428 | 0 | 2,540 |
| Soap Creek | Madison | 15 | 7,523 | 7,601 | 0 | 94,388 |
| Soap Creek | Madison, Amsden | 5 | 1,651 | 1,673 | 0 | 40,709 |
| Soap Creek | Tensleep | 9 | 909 | 979 | 0 | 621 |
| Soap Creek, East | Tensleep | 3 | 2,395 | 2,283 | 0 | 21,286 |
| South Fork | Mission Canyon | 1 | 2,269 | 2,459 | 0 | 1,892 |
| South Fork | Red River | 2 | 4,845 | 5,081 | 3,272 | 9,963 |
| Spring Lake | Bakken | 2 | 5,962 | 6,114 | 1,691 | 77 |
| Spring Lake | Red River | 2 | 3,742 | 3,321 | 8,284 | 7,001 |
| Spring Lake, West | Bakken | 1 | 1,116 | 1,151 | 1,200 | 20 |
| Stampede | Bakken | 1 | 1,373 | 915 | 21 | 96 |
| Stampede | Red River | 1 | 3,553 | 3,265 | 3,883 | 4,874 |
| Stensvad Unit | Tyler | 5 | 2,508 | 2,380 | 0 | 38,459 |
| Studhorse | Stensvad | 1 | 1,673 | 1,142 | 21 | 8,400 |
| Sumatra | Amsden | 3 | 534 | 968 | 0 | 267 |
| Sumatra | Heath | 1 | 262 | 453 | 0 | 0 |
| Sumatra | Lower Tyler | 2 | 2,232 | 2,077 | 0 | 0 |
| Sumatra | Tyler | 6 | 6,568 | 6,431 | 176 | 49,081 |
| Sumatra (Central Sumatra Sand Unit) | Tyler | 14 | 33,961 | 33,961 | 0 | 1,830,401 |
| Sumatra (Grebe-Tyler Sand Unit) | Tyler | 2 | 368 | 724 | 0 | 1,130 |
| Sumatra (Kincheloe Waterflood Unit) | Tyler | 12 | 26,882 | 26,673 | 0 | 588,946 |
| Sumatra (Northeast Sumatra Unit) | Tyler | 4 | 4,817 | 4,817 | 0 | 164,747 |

# OIL PRODUCERS REPORT — SECOND QUARTER 1990 (CONTINUED)

| FIELD | FORMATION | Number of Wells | Oil Produced (BBLS) | Oil Shipped (BBLS) | Assoc. Gas Produced (MCF) | Water Produced (BBLS) |
|---|---|---|---|---|---|---|
| Sumatra (Sawyer Waterflood Unit) | Lower Tyler | 2 | 565 | 736 | 0 | 0 |
| Sumatra (Southeast Sumatra Unit) | Lower Tyler | 6 | 3,718 | 3,786 | 0 | 46,167 |
| Sumatra (Southeast Sumatra Unit) | Tyler | 7 | 9,223 | 9,391 | 0 | 120,133 |
| Sumatra (West Sumatra Unit) | Tyler | 4 | 15,528 | 15,528 | 0 | 522,047 |
| Sunny Hill | Madison | 2 | 1,849 | 2,404 | 0 | 5,097 |
| Sunny Hill | Red River | 1 | 543 | 579 | 0 | 1,840 |
| Sunny Hill, West | Red River | 1 | 1,949 | 1,839 | 1,746 | 5,000 |
| Target | Madison | 1 | 991 | 909 | 0 | 15,567 |
| Target | Mission Canyon | 2 | 1,118 | 1,033 | 0 | 7,003 |
| Target | Ratcliffe | 5 | 6,092 | 5,572 | 0 | 28,537 |
| Thirty Mile | Sawtooth | 1 | 843 | 988 | 0 | 0 |
| Three Buttes | Mission Canyon | 0 | 0 | 191 | 0 | 0 |
| Three Buttes | Red River | 1 | 4,211 | 4,150 | 5,620 | 190 |
| Tinder Box | Tyler | 1 | 470 | 598 | 0 | 0 |
| Tippy Buttes | Tyler | 1 | 317 | 398 | 90 | 4,166 |
| Tule Creek | Devonian | 1 | 5,636 | 5,428 | 3,536 | 97,471 |
| Tule Creek | Nisku | 3 | 5,561 | 5,366 | 483 | 167,513 |
| Tule Creek, East | Nisku | 1 | 1,280 | 1,481 | 1,729 | 106,834 |
| Tule Creek, South | Nisku | 1 | 3,390 | 3,435 | 0 | 17,124 |
| Two Waters | Bakken | 2 | 1,726 | 2,022 | 402 | 80 |
| Two Waters | Duperow | 1 | 13,910 | 13,927 | 86,157 | 336 |
| Utopia | Swift | 21 | 7,647 | 6,982 | 0 | 438 |
| Vaux | Bakken | 1 | 4,006 | 3,936 | 4,042 | 143 |
| Vaux | Dawson Bay | 1 | 3,718 | 3,837 | 4,827 | 7,008 |
| Vaux | Interlake | 2 | 7,986 | 8,009 | 6,112 | 9,859 |
| Vaux | Madison | 12 | 20,941 | 22,525 | 17,625 | 22,570 |
| Vaux | Midale | 1 | 570 | 671 | 36 | 1,970 |
| Vaux | Mission Canyon | 5 | 10,691 | 10,012 | 12,010 | 15,177 |
| Vaux | Ratcliffe | 1 | 453 | 337 | 249 | 378 |
| Vaux | Red River | 4 | 15,514 | 15,620 | 15,007 | 31,911 |
| Volt | Madison | 1 | 482 | 484 | 0 | 2,178 |
| Volt | Nisku | 5 | 22,072 | 21,849 | 0 | 224,573 |
| Wakea | Nisku | 2 | 6,768 | 6,843 | 4,737 | 5,740 |
| Wakea | Red River | 3 | 11,339 | 11,315 | 9,242 | 29,672 |
| Wakea | Red River, Interlake | 1 | 2,458 | 2,483 | 1,486 | 5,320 |
| Wakea | Winnipegosis | 2 | 8,822 | 8,871 | 2,141 | 225,783 |
| Weed Creek | Amsden | 1 | 359 | 398 | 186 | 27,300 |
| West Butte | Sunburst | 2 | 975 | 751 | 0 | 10 |
| Whitlash | Bow Island | 1 | 69 | 180 | 0 | 7 |
| Whitlash | Dakota | 1 | 364 | 436 | 0 | 0 |
| Whitlash | Sunburst | 2 | 4 | 0 | 0 | 123 |
| Whitlash | Swift | 28 | 4,699 | 5,640 | 4,085 | 71 |
| Whitlash | Swift, Sunburst | 25 | 6,135 | 7,844 | 12,456 | 519 |
| Whitlash, West | Sunburst | 1 | 570 | 624 | 0 | 135 |
| Whitlash, West | Swift, Sunburst | 1 | 316 | 674 | 0 | 0 |
| Willow Creek, North | Tyler | 2 | 886 | 1,301 | 0 | 1,859 |
| Willow Ridge | Burwash | 4 | 406 | 406 | 0 | 0 |
| Wills Creek, South | Silurian-Ordovician | 2 | 6,206 | 5,393 | 1,319 | 13,361 |
| Windmill | Red River | 1 | 700 | 1,028 | 0 | 9,759 |
| Winnett Junction Unit | Tyler | 3 | 5,575 | 5,726 | 0 | 112,786 |
| Wolf Springs | Amsden | 4 | 8,310 | 7,820 | 0 | 210,472 |
| Wolf Springs, South | Amsden | 1 | 6,000 | 6,000 | 0 | 0 |
| Woodrow | Charles | 1 | 2,205 | 2,245 | 540 | 2,153 |
| Woodrow | Interlake | 1 | 2,116 | 2,155 | 540 | 114 |
| Wrangler | Red River | 2 | 8,547 | 9,060 | 9,236 | 12,419 |
| Wrangler, North | Red River | 1 | 1,273 | 1,370 | 488 | 4,482 |
| Wright Creek | Muddy | 4 | 1,917 | 1,550 | 0 | 25,310 |
| Yates | Ratcliffe | 1 | 1,250 | 1,335 | 0 | 3,844 |
| Wildcat Richland | Bakken | 1 | 90 | 0 | 151 | 0 |
| Wildcat Roosevelt | Nisku | 1 | 16,950 | 16,615 | 290 | 17,612 |
| Wildcat Teton | Madison | 2 | 786 | 640 | 0 | 90 |
| Total... | | 4,047 | 4,904,452 | 4,911,198 | 2,234,223 | 31,380,706 |

# NATURAL GAS PRODUCED
## SECOND QUARTER 1990

| FIELD | NO. OF WELLS | MCF |
|---|---|---|
| Amanda | 15 | 67,578 |
| Arch Apex | 33 | 56,718 |
| Ashfield | 78 | 155,792 |
| Badlands | 8 | 74,544 |
| Battle Creek | 50 | 599,746 |
| Bears Den | 2 | 3,825 |
| Big Coulee | 7 | 54,153 |
| Big Rock Gas Field | 34 | 109,648 |
| Bills Coulee | 8 | 14,133 |
| Black Butte | 1 | 16,463 |
| Black Coulee | 3 | 26,989 |
| Blackfoot | 8 | 26,259 |
| Blackjack | 15 | 18,976 |
| Blackleaf Canyon | 2 | 43,460 |
| Border | 1 | 3,971 |
| Bowdoin & Area | 264 | 416,213 |
| Bowes | 35 | 63,250 |
| Broadview | 1 | 11,027 |
| Browns Coulee | 1 | 4,569 |
| Browns Coulee, East | 2 | 7,032 |
| Bullwacker | 44 | 182,925 |
| Camp Creek | 1 | 3,153 |
| Canadian Coulee & Area | 1 | 30 |
| Canadian Coulee, North | 1 | 1,507 |
| Cedar Creek | 86 | 72,276 |
| Charlie Creek, North | 1 | 4,666 |
| Clark's Fork | 1 | 7,471 |
| Coal Coulee | 1 | 5,223 |
| Coal Mine Coulee | 5 | 26,046 |
| Cut Bank | 205 | 591,371 |
| Devon | 25 | 42,546 |
| Devon, East | 2 | 4,754 |
| Devon, South Unit | 1 | 3,069 |
| Dry Creek | 19 | 119,387 |
| Dry Creek (Shallow Gas) | 1 | 2,879 |
| Dry Creek, Middle | 2 | 6,494 |
| Dry Creek, West | 1 | 3,607 |
| Dry Fork | 6 | 5,698 |
| Dunkirk. | 15 | 15,170 |
| Dunkirk, North | 19 | 60,698 |
| Eagle Springs | 5 | 5,853 |
| Ethridge | 5 | 7,500 |
| Fitzpatrick Lake | 7 | 20,359 |
| Flat Coulee | 6 | 11,234 |
| Fort Conrad | 14 | 12,705 |
| Fred & George Creek | 3 | 7,350 |
| Fresno & Area | 1 | 3,056 |
| Galata | 6 | 51,957 |
| Gold Butte | 1 | 471 |
| Golden Dome | 7 | 11,508 |
| Grandview | 5 | 3,822 |
| Hardpan | 9 | 26,904 |
| Havre | 1 | 9,785 |
| Haystack Butte, West | 3 | 11,854 |
| Keith Area | 4 | 6,068 |
| Keith, East | 20 | 113,370 |
| Kevin Area | 3 | 6,601 |
| Kevin Southwest | 27 | 65,894 |
| Kevin Sunburst | 100 | 193,031 |
| Kevin Sunburst, Nisku & Area | 1 | 36,324 |
| Kevin, East Nisku Oil | 2 | 19,444 |
| Kicking Horse | 16 | 15,107 |
| Kinyon Coulee Area | 3 | 1,443 |
| Lake Basin | 18 | 41,463 |
| Ledger | 51 | 65,761 |
| Leroy | 23 | 108,883 |
| Liscom Creek | 7 | 16,496 |
| Little Basin | 1 | 23,806 |
| Little Creek | 3 | 7,506 |
| Little Rock | 11 | 30,255 |
| Lohman | 3 | 54,164 |
| Loring | 119 | 161,195 |
| Loring, East | 78 | 131,755 |
| Loring, West | 2 | 2,919 |
| Marias River | 18 | 49,100 |
| Middle Butte | 4 | 6,427 |
| Miners Coulee | 18 | 31,101 |
| Mt. Lilly | 2 | 1,418 |
| O'briens Coulee | 14 | 43,768 |
| Old Shelby | 47 | 136,021 |
| Park City | 1 | 564 |
| Phantom | 2 | 6,396 |
| Phantom, West | 1 | 7,823 |
| Police Coulee | 7 | 6,172 |
| Prairie Dell | 77 | 213,203 |
| Prairie Dell, West | 1 | 4,565 |
| Rapelje | 10 | 9,580 |
| Rattlesnake Coulee | 3 | 3,931 |
| Red Rock | 6 | 52,215 |
| Rocky Boy Area | 4 | 15,928 |
| Rudyard | 5 | 3,651 |
| Sage Creek | 15 | 14,879 |
| Sawtooth Mountain & Area | 29 | 42,615 |
| Shelby Area | 1 | 3,352 |
| Sherard | 6 | 9,298 |
| Sherard, Area | 36 | 370,334 |
| Soberup Coulee | 1 | 175 |
| Strawberry Creek Area | 1 | 47 |
| Swanson Creek | 59 | 101,278 |
| Sweetgrass | 1 | 17 |
| Sweetgrass Area | 1 | 52,861 |
| Three Mile | 2 | 31,781 |
| Tiber | 3 | 3,382 |
| Tiber, East | 7 | 43,617 |
| Tiger Ridge | 250 | 3,084,944 |
| Tiger Ridge Area | 1 | 5,806 |
| Timber Creek | 1 | 11,532 |
| Trail Creek | 7 | 29,651 |
| Utopia | 6 | 9,309 |
| Vandalia | 8 | 11,235 |
| West Butte | 3 | 4,187 |
| West Butte Shallow Gas | 2 | 3,322 |
| Whitewater | 147 | 273,671 |
| Whitewater, East | 13 | 34,310 |
| Whitlash | 37 | 63,353 |
| Whitlash, West | 5 | 2,983 |
| Wildcat Blaine | 1 | 84,962 |
| Wildcat Hill | 1 | 446 |
| Wildcat Toole | 2 | 11,495 |
| Williams | 17 | 30,241 |
| Willow Ridge | 14 | 62,949 |
| Willow Ridge, West | 3 | 4,546 |
| TOTAL | 2,470 | 9,213,600 |

## OIL IN STORAGE

| | PRODUCERS FIELD TANKS | TRANSPORTERS STORAGE | REFINERS STORAGE | ENDING STORAGE |
|---|---|---|---|---|
| December 1989 | 394,685 | 1,329,377 | 477,730 | 2,201,792 |
| March 1990 | 390,237 | 1,378,897 | 647,930 | 2,417,064 |
| April 1990 | 403,174 | 1,297,957 | 785,744 | 2,486,875 |
| May 1990 | 395,554 | 1,274,616 | 714,410 | 2,384,580 |
| June 1990 | 384,259 | 1,252,094 | 705,395 | 2,341,748 |

## REFINERS' REPORT
### SECOND QUARTER 1990

| COMPANY | BEGINNING STORAGE | MONTANA OIL | WYOMING OIL | CANADA OIL | REFINED | ENDING STORAGE |
|---|---|---|---|---|---|---|
| CENEX | 179,845 | 568,282 | 1,136,701 | 1,758,164 | 3,374,368 | 268,624 |
| Conoco | 197,107 | 254,308 | 641,044 | 3,523,098 | 4,480,874 | 134,683 |
| Exxon Company | 258,418 | 83,427 | 2,768,325 | 961,161 | 3,784,211 | 287,120 |
| Montana Refining Co. | 12,560 | 102,783 | -0- | 542,124 | 642,499 | 14,968 |
| TOTALS | 647,930 | 1,008,800 | 4,546,070 | 6,784,547 | 12,281,952 | 705,395 |

DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION
OIL & GAS CONSERVATION DIVISION

— STATE OF MONTANA —

BOARD OF OIL & GAS CONSERVATION
1520 EAST SIXTH AVENUE
HELENA, MONTANA 59620-2301